

Converting Colors

XYZ(81.3287, 100.0000,
46.7682)

Have a look what the booklet for
XYZ(81.3287, 100.0000, 46.7682)
contains.

XYZ(77.4424, 92.3050, 45.6333)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(77.4424, 92.3050,
45.6333)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFF9D
RGB	239, 255, 157
RGB Percent	94%, 100%, 62%
CMY	0.0627, 0.0000, 0.3843
CMYK	0.06, 0.00, 0.38, 0.00
HSL	70°, 100%, 81%
HSV	70°, 38%, 100%
XYZ	77.4424, 92.3050, 45.6333
YIQ	239.0440, 21.9220, -33.8700

Conversions

Conversions Part 2

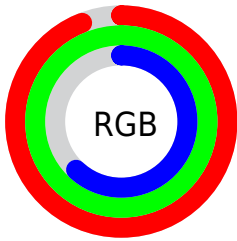
Format	Color
RYB	157, 255, 173
Decimal	15728541
CIELab	96.94, -19.83, 45.06
CIElCh	97, 49.232, 113.754
Yxy	92.3050, 0.3596, 0.4286
Android (android.graphics.Color)	4293918621 (0xFFEFFF9D)
YUV	239.0440, -40.4477, -0.0386
Hunter-Lab	96.0755, -24.2508, 39.0917

Details

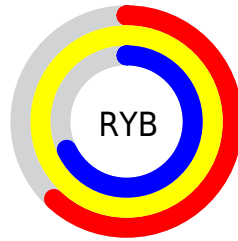
The XYZ color **77.4424, 92.3050, 45.6333** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **47.3416, 40.2195, 99.8757**, and the grayscale version is **82.3706, 86.6603, 94.3730**.

A 20% lighter version of the original color is **89.0102, 97.5841, 77.0951**, and **41.9842, 51.3327, 20.7921** is the 20% darker color. If you saturate the color by 10%, you get **74.0980, 90.8068, 35.2739**, and if you desaturate by 10%, it is **81.2742, 94.0020, 58.3895**.

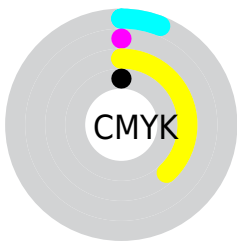
Distribution



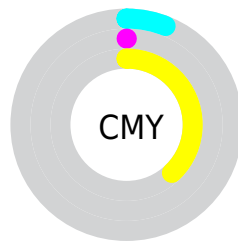
- Red (94%)
- Green (100%)
- Blue (62%)



- Red (62%)
- Yellow (100%)
- Blue (68%)



- Cyan (6%)
- Magenta (0%)
- Yellow (38%)
- Black (0%)





- Cyan (6%)
- Magenta (0%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 77.4424, 92.3050, 45.6333 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 77.4424, 92.3050, 45.6333 by changing the saturation by 10% instead.


 77.4424, 92.3050,
45.6333


 77.4424, 92.3050,
45.6333


475.1399,
535.5007, 385.5671

 57.9172, 69.8940,
31.6100


 128.7333,
150.5360, 84.9984

 41.9851, 51.4401,
20.8014


 161.2298,
187.1249, 111.1773

 29.2807, 36.5590,
12.7891


198.7807,
229.2084, 142.2451

 19.4386, 24.8662,
7.1545

241.7515,
277.1711, 178.6204

 12.0935, 15.9774,
3.4790

290.5074,
331.3972, 220.7217

 6.8801, 9.5082,
1.3441

345.4139,

 3.4329, 5.0741,

392.2713, 268.9676

0.0975

406.8363,
460.1777, 323.7765

■ 1.3866, 2.2908,
0.0000

■ 0.2466, 0.7688,
0.0000

■ 77.4424, 92.3050,
45.6333

■ 77.4424, 92.3050,
45.6333

■ 74.0980, 90.8068,
35.2739

■ 81.2742, 94.0020,
58.3895

■ 71.2113, 89.4953,
27.1575

■ 85.6187, 95.9078,
73.6758

■ 68.7509, 88.3580,
21.1184

■ 90.5004, 98.0324,
91.6202

■ 66.6802, 87.3803,
16.9665

95.0500, 100.0000,
108.9000

■ 64.9564, 86.5449,
14.4766

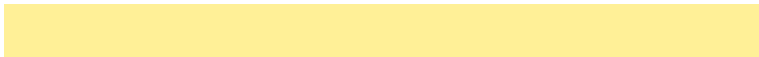
■ 63.5193, 85.8279,
13.3336

■ 63.3070, 85.7210,
13.2092

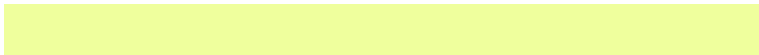
Harmonies

Analogous

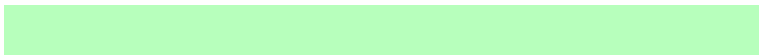
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.6610, 92.3050, 42.1768



77.4424, 92.3050, 45.6333



67.9701, 92.3050, 61.8354

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.4424, 92.3050, 45.6333



72.9180, 92.3050, 175.3689



116.9410, 92.3050, 109.0282

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



77.4424, 92.3050, 45.6333



47.3416, 40.2195, 99.8757

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



110.9976, 92.3050, 152.6480



77.4424, 92.3050, 45.6333



84.8690, 92.3050, 196.9203

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.4424, 92.3050, 45.6333



65.5565, 92.3050, 134.4434



98.8974, 92.3050, 187.6660



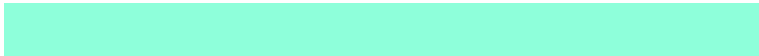
114.4197, 92.3050, 72.8196

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.4424, 92.3050, 45.6333



64.5798, 92.3050, 80.6513



98.8974, 92.3050, 187.6660



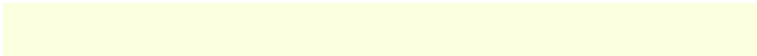
115.8485, 92.3050, 123.3744

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



77.4427, 92.3052, 45.6346



88.6946, 97.2483, 84.9019



62.0220, 53.0863, 38.8773



18.8466, 20.7553, 17.6650



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

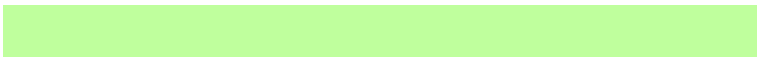
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.4427, 92.3052, 45.6346



74.8676, 91.1533, 37.5794



63.4079, 85.0700, 44.9778



19.2529, 20.9318, 19.1698



33.1875, 44.8469, 6.9071



3.3056, 4.4048, 0.6760

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



47.3416, 40.2195, 99.8757



40.9711, 32.4642, 98.7145



59.8353, 46.6602, 100.4604



17.2792, 17.5202, 22.7210



10.0034, 4.0674, 49.6924



1.0486, 0.4345, 4.8419

Previews

White Background



This preview shows how the XYZ color 77.4424, 92.3050, 45.6333 looks on a white background.

Color Contrast Check

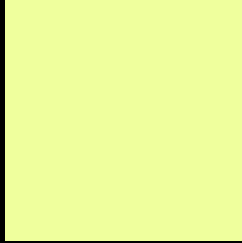
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 77.4424, 92.3050, 45.6333 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

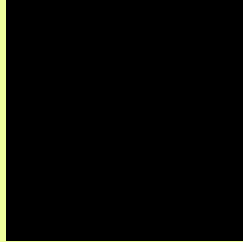
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.4424, 92.3050, 45.6333

Background



This preview shows how black text looks on a background with the XYZ color 77.4424, 92.3050, 45.6333.

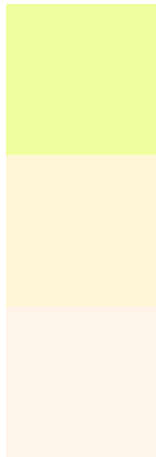


This preview shows how white text looks on a background with the XYZ color 77.4424, 92.3050,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

77.4424, 92.3050, 45.6333

Protanopia

86.4615, 92.0778, 77.5058

Deuteranopia

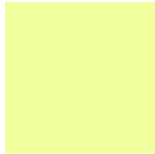
88.4420, 91.9019, 90.9193



Tritanopia

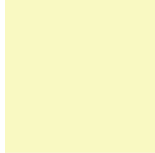
89.4676, 92.0611, 107.6619

Trichromacy



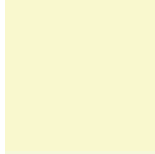
Original Color

77.4424, 92.3050, 45.6333



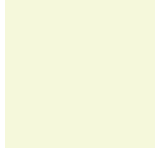
Protanomaly

82.6802, 91.7861, 64.3977



Deuteranomaly

83.7749, 91.7308, 71.6829



Tritanomaly

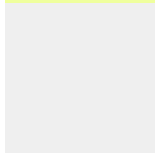
84.0098, 91.6618, 80.2825

Monochromacy



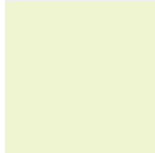
Original Color

77.4424, 92.3050, 45.6333



Achromatopsia

82.0431, 86.3157, 93.9978



Achromatomaly

79.7576, 88.2590, 73.1536

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.4424, 92.3050, 45.6333 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(239, 255, 157)` looks like.

```
.text, #text, p{  
    color:rgb(239, 255, 157)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(239, 255, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 255, 157) }
```

Border

The CSS property to change the border of an element to XYZ 77.4424, 92.3050, 45.6333 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(239, 255, 157) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(239, 255, 157) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(239, 255, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 255, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 255, 157);  
box-shadow:4px 4px 4px 4px rgb(239, 255,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 77.4424, 92.3050, 45.6333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 255, 157) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(239,  
255, 157) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor